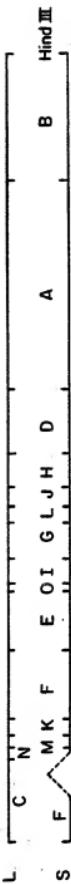
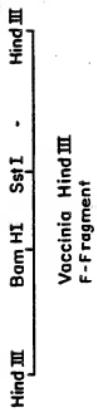


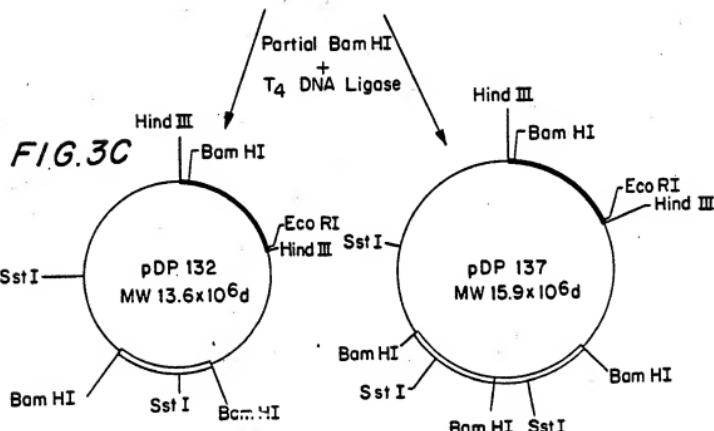
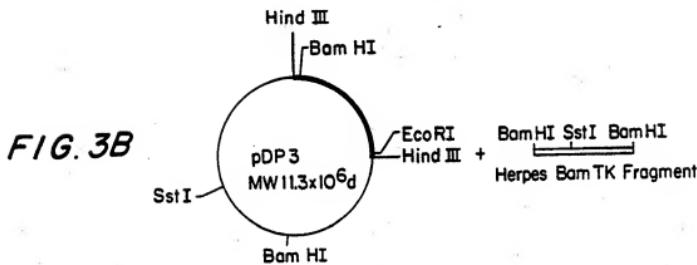
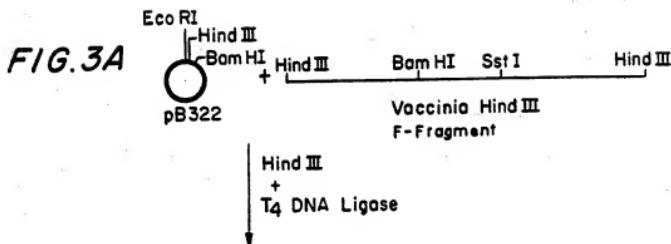
REPLACEMENT SHEET

F/G.1*F/G.2*

GENE	GROWTH IN NORMAL MEDIUM?	GROWTH IN HAT MEDIUM?	GROWTH IN BUdR?
TK ⁺	YES	YES	NO
TK ⁻	YES	NO	YES

F/G.5

REPLACEMENT SHEET



REPLACEMENT SHEET

FIG. 4A



FIG. 4B

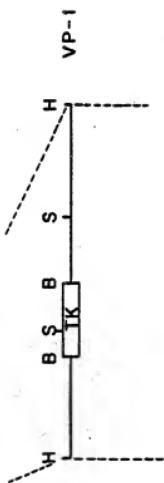
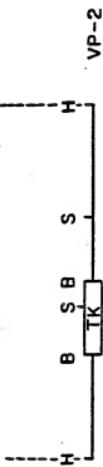


FIG. 4C



KEY TO
FIGS. 4B-4C

TK =	HSV TK GENE
B =	Bam HI RESTRICTION
S =	Sst I RESTRICTION
H =	Hind III RESTRICTION

REPLACEMENT SHEET

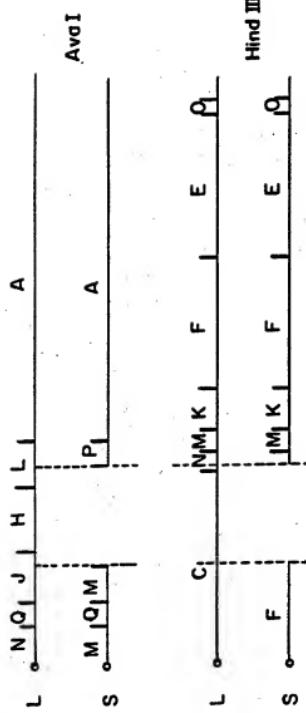


FIG. 6A

FIG. 6B

FIG. 6C

Kbp 0 10 20 30 40 50 60

REPLACEMENT SHEET

FIG. 7A

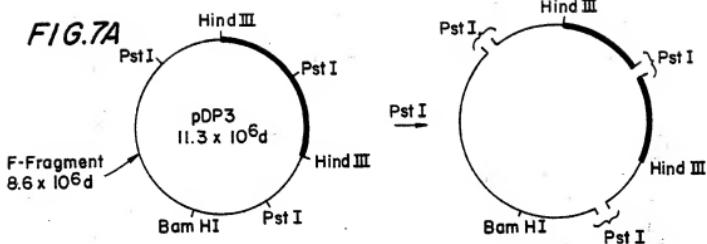


FIG. 7B

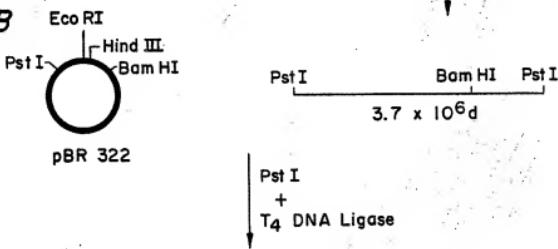
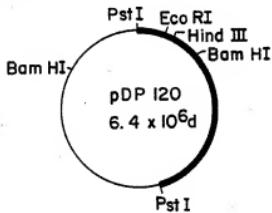


FIG. 7C



REPLACEMENT SHEET

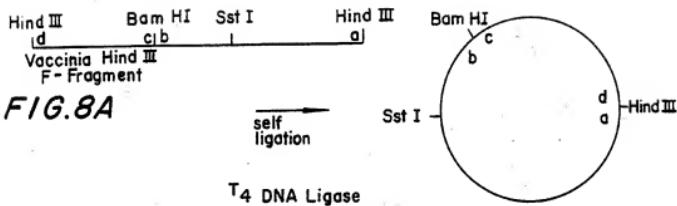


FIG. 8B

The diagram illustrates the pBR 322 plasmid and its circularized F-fragments. The plasmid is shown as a circle with the following restriction sites labeled: Pst I at the top left, Eco RI and Hind III at the top center, Bam HI at the bottom left, Sst I at the bottom center, Hind III and Bam HI at the bottom right, and another Bam HI site at the far right. Below the circle, the label "pBR 322" is written. To the right of the circle, a horizontal line represents the linearized DNA. It shows the same restriction sites, with the Bam HI site at the far right labeled "b" below it. A bracket above the line indicates the "Inverted F-Fragment". Above the line, the label "Circularized F-Fragment" is written, with arrows pointing to the Hind III and Bam HI sites at the top right.

FIG. 8C

FIG. 8D

REPLACEMENT SHEET

FIG. 9A

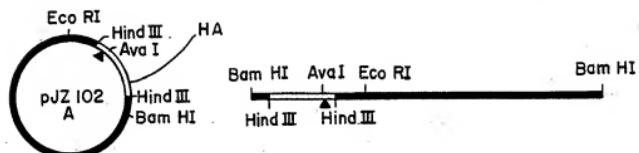
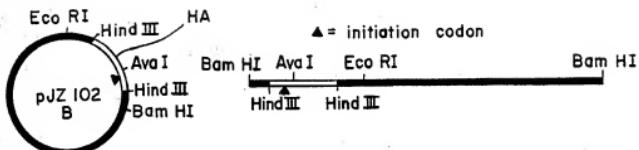


FIG. 9B

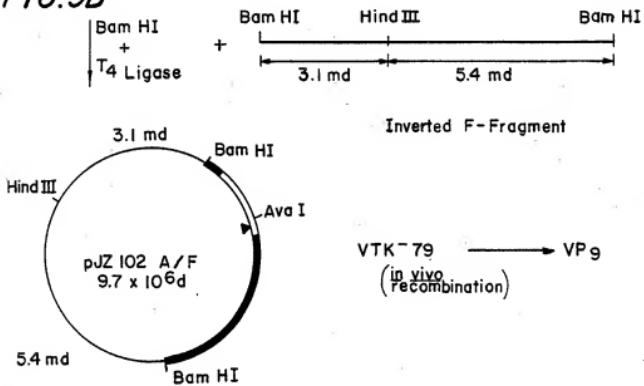
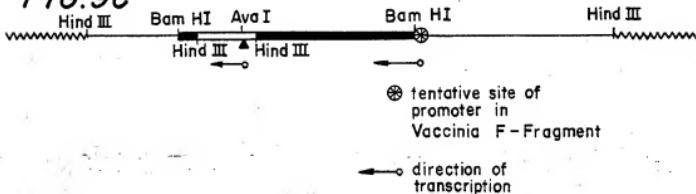


FIG. 9C



REPLACEMENT SHEET

FIG. 10A

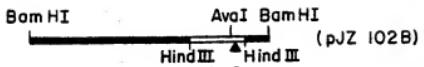


FIG. 10B

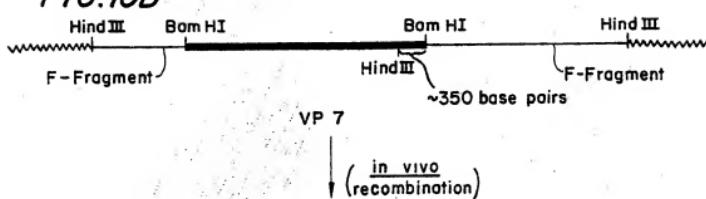
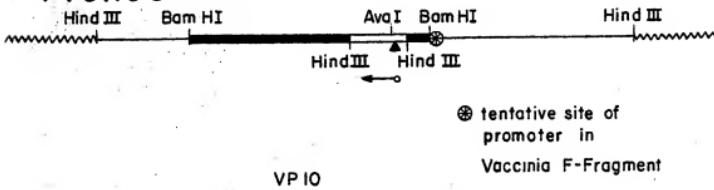


FIG. 10C



REPLACEMENT SHEET

FIG.IIA

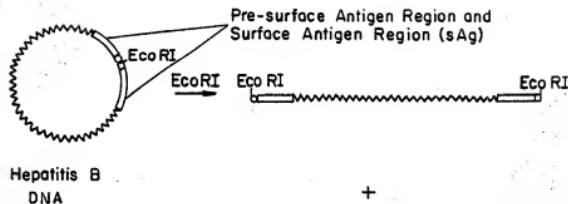


FIG.IIB

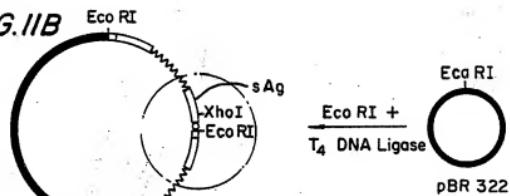


FIG.IIC

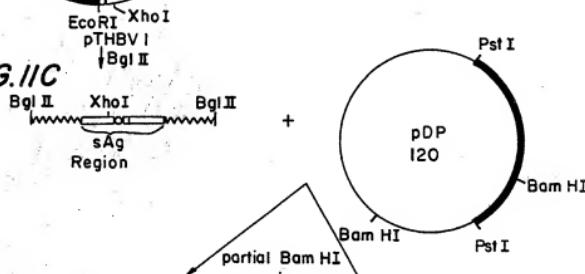


FIG.IID

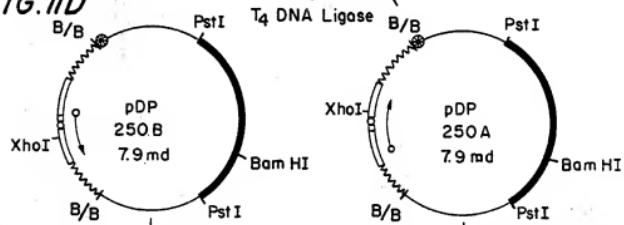


FIG.IIE

VTK-79
VP11 (*In vivo*
recombination)

VTK-79
VP12 Ⓡ Tentative
Vaccinia
Promoter

REPLACEMENT SHEET

FIG. 12A

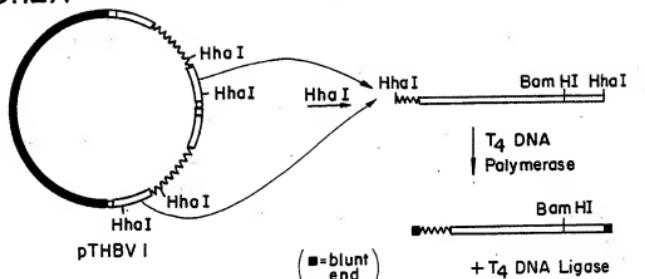


FIG. 12B

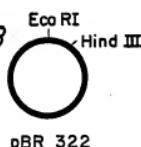
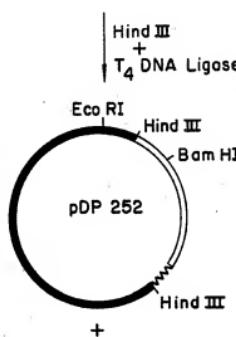
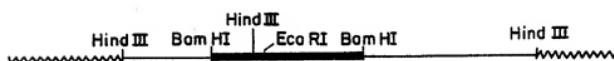


FIG. 12C



VP8



VP13



REPLACEMENT SHEET

FIG. 13A

Eco RI Fragment F
Herpes Virus Type I (strain KOS)

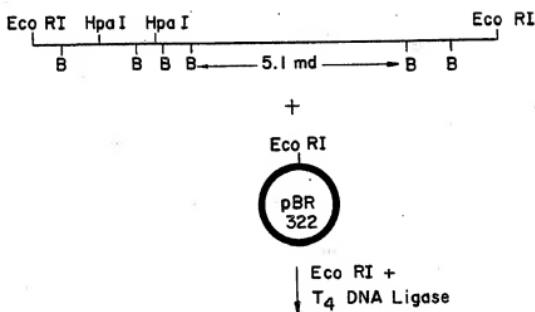


FIG. 13B

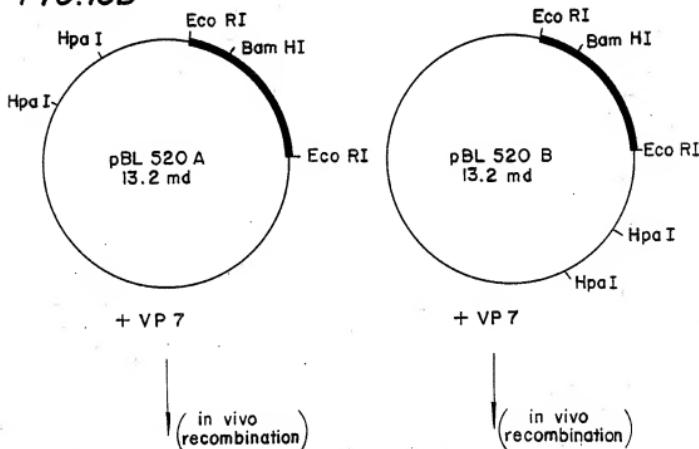


FIG. 13C

VP 16

VP 14

REPLACEMENT SHEET

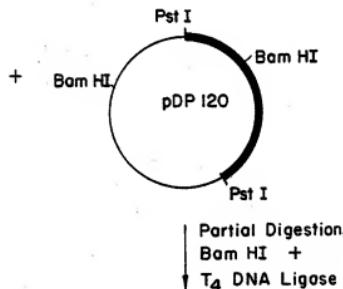
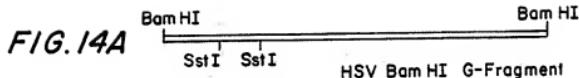


FIG. 14B

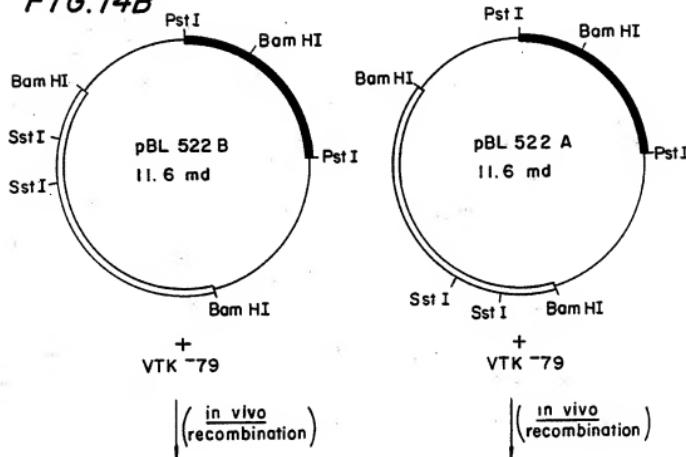


FIG. 14C

VP 18

VP 17

REPLACEMENT SHEET

FIG. 15A

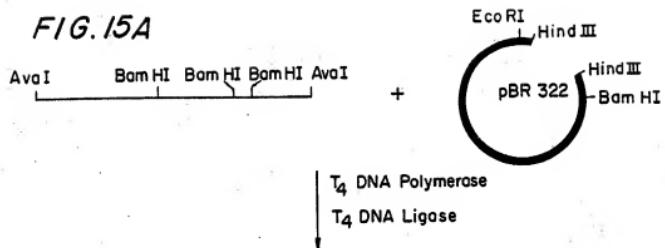


FIG. 15B

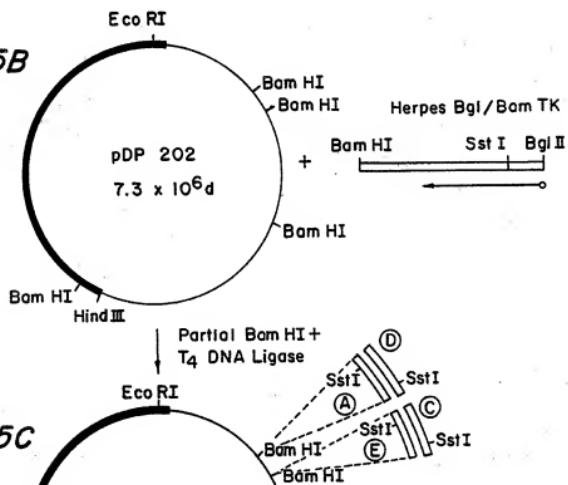


FIG. 15C

REPLACEMENT SHEET

FIG. 15D

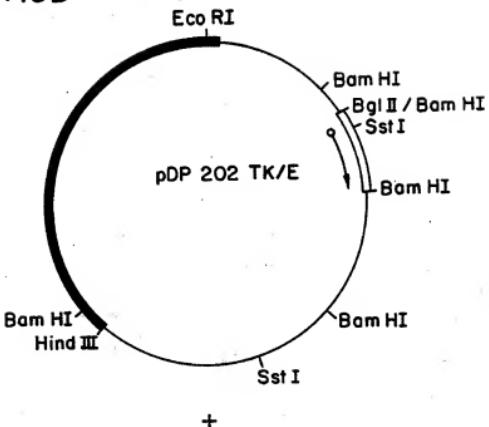


FIG. 15E

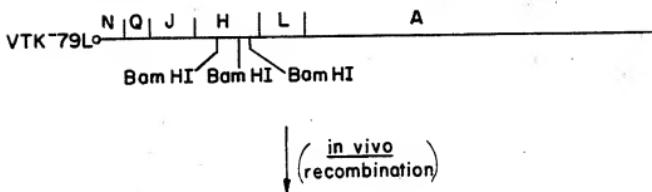
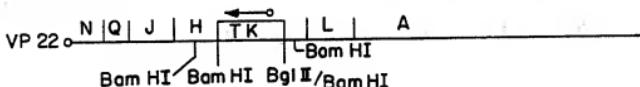


FIG. 15F



REPLACEMENT SHEET

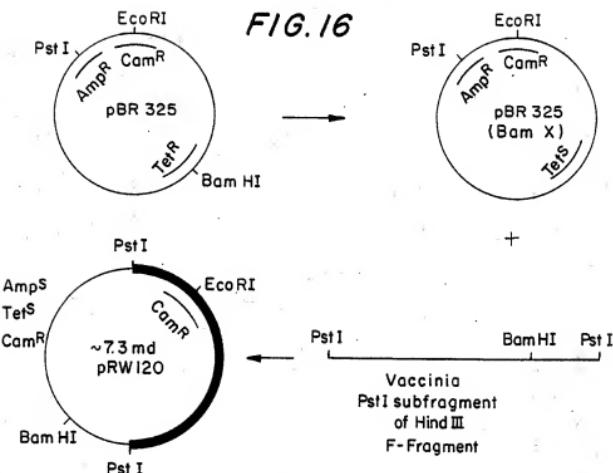
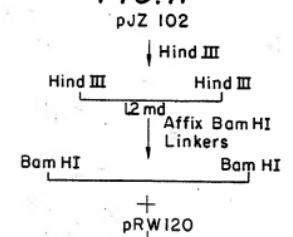
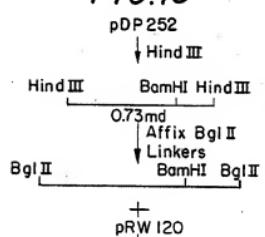


FIG. 17



VTK⁻ 79 → VP53

FIG. 18



VTK⁻ 79 → VP59

REPLACEMENT SHEET

FIG. 19

